



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Southeast Regional Office • 20 Riverside Drive, Lakeville MA 02347 • 508-948-2700

Charles D. Baker
Governor

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Lieutenant Governor

Kathleen A. Theoharides
Secretary

Martin Suuberg
Commissioner

November 16, 2021

Mr. John W. Grande
Town Administrator
51 Spring Street, PO Box 1239
Vineyard Haven, Massachusetts 02568

City/Town: Tisbury
RE: **Technical Approval/Public Notice**
Transmittal No.: X287722
Program Identifier: BRP WP11 GW#732-3
Facility Name: Tisbury WWTF
Authorization Type: Groundwater Discharge

Dear Mr. Grande:

The Massachusetts Clean Water Act (M.G.L. c.21, s.21-53) was amended by Chapter 246 of the Acts of 1973 to authorize the Massachusetts Department of Environmental Protection (the MassDEP), to regulate discharges into all waters of the Commonwealth, including groundwaters. MassDEP regulates discharges through the issuance of discharge permits, which impose limitations on the amount of pollutants that may be discharged in the effluent, together with monitoring and reporting requirements and other conditions to insure adequate treatment of all liquid wastes prior to discharge.

MassDEP has completed the technical review of your application submitted on behalf of the Town of Tisbury to continue to discharge treated wastewater from the existing facility located at 115 Highpoint Lane in Tisbury, MA to the ground, and has developed the conditions contained in the enclosed draft permit. In addition, the permit renewal application included a plan approval for facility treatment and disposal expansion. Within fourteen (14) days of receipt of the draft permit, you should indicate to this agency, in writing, any problem areas or conditions of concern that call for reconsideration of permit conditions or text before issuing to public notice and final issuance.

The proposed draft permit can only be considered in draft form because of provisions in the Law regulating public notice of the proposed issuance of the permit and opportunity for public comments and public hearing. Following receipt of comments on the public notice, and public hearing, if held, the MassDEP will issue its final determination to issue or deny the permit.

Enclosed herewith is a copy of the public notice for your groundwater discharge permit. If you have **no** comments concerning the draft permit, the enclosed public notice should be published to start the thirty (30) day public comment period.

This information is available in alternate format. Contact Michelle Waters-Ekanem, Director of Diversity/Civil Rights at 617-292-5751.

TTY# MassRelay Service 1-800-439-2370

MassDEP Website: www.mass.gov/dep

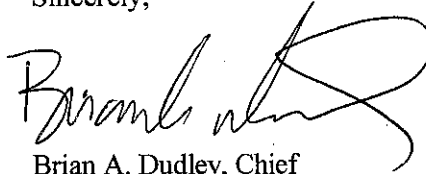
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In accordance with 314 CMR 2.06(4) and M.G.L. c.30A, the applicant or permittee, as applicable, shall publish public notice of the permit proceedings in *The Environmental Monitor*, a publication of the Massachusetts Executive Office of Energy and Environmental Affairs. For instructions on filing this notice with MEPA please refer to MEPA's website at <http://eeaonline.eea.state.ma.us/eea/emepa/submittingnotices.htm>

The applicant or permittee shall submit to the Department a copy of the public notice as published in the *Environmental Monitor*, within seven days after the date of publication or at such other time as the Department requires. This information should be sent to the attention of Drew Osei at the above letterhead address. The mandatory thirty-day public comment period will commence with the date of publication of the public notice.

If you should have any questions on any information provided with this letter, please contact Drew Osei P.E. at Andrew.osei@mass.gov

Sincerely,

A handwritten signature in black ink, appearing to read "Brian A. Dudley", with a stylized flourish at the end.

Brian A. Dudley, Chief
Wastewater Management – Cape and Islands

ecc: Preparer and Engineer: Robert Rafferty P.E. rjr@envpartners.com
BOH: Maura Valley mvalley@tisburyma.gov
Operator: Jared Meader jmeader@tisburyma.gov
DEP: Julianne Ture

PUBLIC NOTICE
MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER RESOURCES /WASTEWATER MANAGEMENT PROGRAM
20 RIVERSIDE DRIVE
LAKEVILLE, MASSACHUSETTS 02347
Email: Ian.Jarvis@mass.gov

Notice is hereby given that the following application for an Individual Groundwater Discharge Permit is being processed and the following actions being proposed thereon pursuant to Section 43 of Chapter 21 of the General Laws, and 314 CMR 5.00 and 2.06:

CITY/TOWN:	Tisbury
PROJECT NAME:	Tisbury WWTF Groundwater Discharge Permit Application w/ Plan Approval
APPLICANT:	Tisbury Board of Selectman
FACILITY LOCATION:	115 Highpoint Lane, Tisbury, MA
TYPE OF DISCHARGE:	Treated sanitary wastewater
QUANTITY OF DISCHARGE:	139,000 gallons per day
PERMIT NO:	732-3
TRANSMITTAL NO:	X287468
PROPOSED ACTION:	Tentative determination to renew an individual groundwater discharge permit

A copy of the application, draft permit, and statement of basis or fact sheet relative to the draft permit may be obtained from the MassDEP's Wastewater Management Program at the above address and telephone number or online at: <http://www.mass.gov/eea/agencies/massdep/news/comment/>

Comments on the proposed action or requests for a public hearing thereon pursuant to 314 CMR 2.07 must be filed with MassDEP at the above address within thirty (30) days of this notice. For information on the process for formally intervening in adjudicatory proceedings, please refer to 310 CMR 1.00: Adjudicatory Proceedings, Section (7) Intervention and Participation.
<http://www.mass.gov/eea/agencies/massdep/water/regulations/310-cmr-1-00-adjudicatory-proceedings.html>

Brian A. Dudley, Chief
Wastewater Management – Cape and Islands

Individual Groundwater Discharge Permit

Fact Sheet

I. APPLICANT, FACILITY INFORMATION, and DISCHARGE LOCATION

Name and Address of Applicant:

Board of Selectman
Town of Tisbury
400 West Spring St./P.O. Box 84
Vineyard Haven, MA 02568

Name and Address of Facility where discharge occurs:

Disposal Bed Site 2 – North (DPW Site) High Point Lane, Vineyard Haven
Disposal Bed Town Hall Annex (ESB) Site: Spring Street, Vineyard Haven
Wicks #1 and #2: West William Street, Vineyard Haven

Discharge Information:

Groundwater Discharge Permit Number: 732-3

The Groundwater Discharge Permit will allow the applicant to discharge 104,000 gallons per day (gpd) under current conditions, 139,000 gpd after the completion of the approved designed plans as part of this permit renewal, and under expanded conditions a maximum daily discharge of 369,500 gpd with a 200,000 gpd annual average of treated sanitary wastewater, from a municipal wastewater treatment facility to groundwaters of the Commonwealth.

The permittee's permit limit of 139,000 gpd is determined by the treatment ability of the facility to treat sanitary wastewater and discharge a treated effluent after the upgrade associated with this permit renewal. The permittee may discharge at disposal beds at 69,500 gpd/bed and at the Wicks stations at 104,000gpd/Wick Station. The potential expanded maximum daily discharge of 369,500 gpd is the sum of one disposal bed and both Wicks Stations.

The Site 2 DPW Site Disposal bed, Wick 1, and Wick 2 discharges are **not** located in a sensitive area such as Zone II, IWPA, or Surface Water with associated TMDL. The ESB Disposal site is also **not** located in a sensitive area such as Zone II, IWPA, or Surface Water with associated TMDL, but particle tracking of groundwater from the ESB site indicates that 90 percent of the groundwater flow from the ESB effluent bed is to Vineyard Haven harbor and 10 percent is toward Lake Tashmoo; Lake Tashmoo is a MEP impaired watershed with a TMDL.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD# 1-866-539-7622 or 1-617-574-6868.

MassDEP on the World Wide Web: <http://www.mass.gov/dep>



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II. LIMITATIONS AND CONDITIONS

Discharge permit limitations are as listed in the ground water permit and are in conformance with 314 CMR 5.00, the Groundwater Discharge Permit Program.

III. PERMIT BASIS AND EXPLANATION OF EFFLUENT LIMITATIONS

An Individual Groundwater Discharge permit is required for this discharge in accordance with the Massachusetts Clean Water Act, M.G.L. c. 21, s. 26-53 and 314 CMR 5.03.

Effluent limitations are based upon the location of the discharge, the level of treatment, consideration of human health protection criteria and protection of the groundwaters of the Commonwealth.

The permit application includes the approval of facility expansion plans to treat and dispose up to 69,300 gpd per sand bed; 104,000 gpd per Wick disposal site

IV. COMMENT PERIOD, HEARING REQUESTS, AND PROCEDURES FOR FINAL DECISIONS

The public comment period for this permit is thirty (30) days following public notice in *The Environmental Monitor*. The public notice for this Individual Groundwater Discharge Permit occurred on **DATE**.

Requests for an adjudicatory hearing must be submitted within thirty (30) days of the issuance/denial of the permit, by any person who is aggrieved by such issuance/denial.

A final decision on the issuance/denial of this permit will be made after the public notice period, and review of any comments received during this period.

V. STATE CONTACT INFORMATION

Additional information concerning the draft permit may be obtained between the hours of 9:00 a.m. and 5:00 p.m. Monday through Friday excluding holidays, from:

Brian Dudley
20 Riverside Drive, Lakeville, MA 02347
508-946-2869
Brian.Dudley@mass.gov

Brian Dudley
Wastewater Management
Cape and Islands

DATE



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Commissioner

INDIVIDUAL GROUNDWATER DISCHARGE PERMIT

Name and Address of Applicant: Board of Selectmen,
Town of Tisbury
400 West Spring St.
P.O. Box 84,
Vineyard Haven, MA 02568

Date of Application: April 26, 2021

Application/Permit No. 732-3

Date of Issuance: DATE

Date of Expiration: DATE

Effective Date: DATE

AUTHORITY FOR ISSUANCE

Pursuant to authority granted by Chapter 21, Sections 26-53 of the Massachusetts General Laws, as amended, 314 CMR 2.00, and 314 CMR 5.00, the Massachusetts Department of Environmental Protection (the Department or MassDEP) hereby issues the following permit to: **Tisbury Board of Selectmen** (hereinafter called "the permittee") authorizing discharges to the ground from the municipal wastewater treatment facility (hereinafter "the WWTF") located at **Town of Tisbury, Department of Public Works, 115 High Point Lane, Vineyard Haven, Massachusetts**, such authorization being expressly conditional on compliance by the permittee with all terms and conditions of the permit hereinafter set forth.

Brian A. Dudley, Chief
Bureau of Water Resources

Date

I. SPECIAL CONDITIONS

A. Department Plan Approval of the WWTF

This Permit authorizes, subject to the terms and conditions set forth in the Permit, the continued operation of the WWTF with a current treatment capacity of 138,600 gallons per day (gpd) maximum daily flow and disposal capacity of 69,500 gpd per disposal bed and 104,000 gpd per wicks disposal site.

Pending final approval of "expanded discharge plans", this Permit authorizes the Permittee to discharge up to 200,000 gpd annual average flow, with a maximum daily discharge flow of 369,500 gpd subject to the Department's review and approval as provided below.

The Permittee shall prepare "expanded discharge design plans" for an expanded WWTF to accommodate flows up to the 200,000 gpd annual average flow (369,500 gpd maximum daily flow) for review and approval by the Department. The plans shall be submitted through a BRP WP 68 Treatment Works Plan Approval Without Permit Modification application. The Permittee shall obtain the Department's approval to operate the expanded WWTF prior to operating at a capacity in excess of 139,000 gpd maximum daily flow.

As part of the "expanded discharge design plans" required above, the Permittee shall evaluate the operational experience with the wicks in order to refine their ultimate discharge capacity and provide plans for adequate reserve disposal area.

B. Effluent Limits

- 1) The permittee is authorized to discharge into the ground from the wastewater treatment facilities for which this permit is issued a treated effluent whose characteristics shall not exceed the following values:

Effluent Characteristics	Current Discharge Limitations
Flow	139,000 gallons per day (gpd) (maximum)
Biochemical Oxygen Demand, 5-day at 20°C (BOD ₅)	30 mg/l
Total Suspended Solids	30 mg/l
Settleable Solids	0.1 ml/l
Total Dissolved Solids	1000 mg/l
Nitrate Nitrogen	10 mg/l
Total Nitrogen (NO ₂ + NO ₃ + TKN)	10 mg/l
Oil & Grease	15 mg/l
Fecal Coliform	200 colonies/100 ml
Total Residual Chlorine ²	4 mg/L

- a) The pH of the effluent shall not be less than 6.5 nor greater than 8.5 at any time or not more than 0.2 standard units outside the naturally occurring range.
 - b) The discharge of the effluent shall not result in any demonstrable adverse effect on the groundwater or violate any water quality standards that have been promulgated.
 - c) The monthly average concentration of BOD and TSS in the discharge shall not exceed 15 percent of the monthly average concentrations of BOD and TSS in the influent into the permittee's wastewater treatment facility.
 - d) When the average annual flow exceeds 80 percent of the permitted flow limitations, the permittee shall submit a report to the Department describing what steps the permittee will take in order to remain in compliance with the permit limitations and conditions, inclusive of the flow limitations established in this permit.
 - e) A maximum of 4,000 gallons per day of septage may be received at the facility during the months of May through September. Daily volumes of septage received shall be reported monthly.
 - f) A maximum of 8,000 gallons per day of septage may be received at the facility during the months of October through April. Daily volumes of septage received shall be reported monthly.
- 2) Pending final approval of "expanded discharge plans" subject to the Department's review and approval, the permittee is authorized to discharge into the ground from the wastewater treatment facilities for which this permit is issued a treated effluent whose characteristics shall not exceed the following values:

Effluent Characteristics	Expanded Discharge Limitations
Flow	200,000 gpd (annual average) 369,500 gpd (maximum)
Biochemical Oxygen Demand, 5-day at 20°C (BOD ₅)	30 mg/l
Total Suspended Solids	30 mg/l
Settleable Solids	0.1 ml/l
Total Dissolved Solids	1000 mg/l
Nitrate Nitrogen	10 mg/l
Total Nitrogen (NO ₂ + NO ₃ + TKN)	10 mg/l
Oil & Grease	15 mg/l
Fecal Coliform	200 colonies/100 ml
Total Residual Chlorine ²	4 mg/L

- a) The pH of the effluent shall not be less than 6.5 nor greater than 8.5 at any time or not more than 0.2 standard units outside the naturally occurring range.
 - b) The discharge of the effluent shall not result in any demonstrable adverse effect on the groundwater or violate any water quality standards that have been promulgated.
 - c) The monthly average concentration of BOD and TSS in the discharge shall not exceed 15 percent of the monthly average concentrations of BOD and TSS in the influent into the permittee's wastewater treatment facility.
 - d) When the average annual flow exceeds 80 percent of the permitted flow limitations, the permittee shall submit a report to the Department describing what steps the permittee will take in order to remain in compliance with the permit limitations and conditions, inclusive of the flow limitations established in this permit.
 - e) A maximum of 4,000 gallons per day of septage may be received at the facility during the months of May through September. Daily volumes of septage received shall be reported monthly.
 - f) A maximum of 8,000 gallons per day of septage may be received at the facility during the months of October through April. Daily volumes of septage received shall be reported monthly.
- 3) Total flow discharged from the WWTF may be distributed among the disposal facilities listed in the table below. Even though the aggregate capacity of all disposal structures exceeds 139,000 gpd, the maximum daily discharge from the WWTF shall not exceed 139,000 gpd until such time as the Department has approved the upgrade and expansion of the WWTF beyond its current 139,000 gpd treatment capacity in accordance with Section I.A. of this permit.

Disposal Facility	Current Discharge Limitations	Expanded Discharge Limitations
Site 2 -North	69,500 gpd (maximum)	69,500 gpd (maximum)
Town Hall Annex	69,500 gpd (maximum)	69,500 gpd (maximum)
Wick #1	104,000 gpd (maximum)	150,000 gpd (maximum)
Wick #2	104,000 gpd (maximum)	150,000 gpd (maximum)
Total discharge to all disposal facilities	139,000 gpd (maximum)	200,000 gpd (annual average) 369,500 gpd (maximum)

- a) Redevelopment and cleaning of the wicks may periodically require dosages of chlorine in excess of the effluent limit. Redevelopment and cleaning procedures and protocols shall be included in the WWTF's Operation and Maintenance Manual (O&M) as approved by the Department. The permittee shall provide the Department with a 24-

hour notification in advance of any redevelopment and cleaning activity, except in an instance of extreme emergency in which case notification shall be within 24 hours of emergency redevelopment and cleaning activity.

C. Monitoring and Reporting

- 1) The permittee shall monitor and record the quality of the **influent** and the quality and quantity of the **effluent** prior to discharge to the discharge facilities according to the following schedule and other provisions:

INFLUENT:

Parameter	Minimum Frequency of Analysis	Sample Type
pH	Daily	Grab
Septage (quantity)	Daily	report
TSS	Weekly	24-hr Composite
BOD ₅	2 x Monthly	24-hr Composite
Oil & Grease	2 x Monthly	Grab
Total Nitrogen (NO ₂ + NO ₃ + TKN)	Monthly	24-hr Composite
Sodium	Monthly	Grab
Chloride	Monthly	Grab
Volatile Organic Compounds ²	Quarterly	Grab

EFFLUENT:

Parameter	Minimum Frequency of Analysis	Sample Type
Flow (Town Hall Annex, Site 2 North, Wick #1 and Wick #2))	Daily	Continuous reading
pH	Daily	Grab
BOD ₅	2 x Monthly	24-hr Composite
Total Nitrogen (NO ₂ +NO ₃ +TKN)	2 x Monthly	24-hr Composite
Nitrate Nitrogen	2 x Monthly	24-hr Composite
NH ₃ as Nitrogen	2 x Monthly	24-hr Composite
Total Suspended Solids	Weekly	24-hr Composite
Settleable Solids	Weekly	Grab
Total Dissolved Solids	Weekly	Grab
Total Solids	Weekly	Grab
Oil & Grease	Monthly	Grab
Fecal Coliform	Monthly	Grab
Total Phosphorus	Annually	Grab
Orthophosphate	Annually	Grab
Total Residual Chlorine	Daily	Grab
Volatile Organic Compounds	Quarterly	Grab

- a) Influent samples shall be taken at the WWTF Influent Chamber, upstream of screenings and grit treatment.
- b) Effluent sampling shall be taken at the Final Effluent Tank downstream of the UV disinfection unit for all parameters except Total Residual Chlorine. The Total Residual Chlorine sampling location shall be at the Elementary School Site Wick Flow Distribution Structure.
- c) The Department reserves the right to require more frequent monitoring of Total Phosphorus and Orthophosphate if the Department determines that phosphorus levels are impacting downgradient receptors.

2) MONITORING WELLS

The permittee shall monitor, record and report the quality and level of water in three monitoring well systems, according to the below listed schedule and other provisions. One system, for the Town Hall annex site, consists of three (3) monitoring wells, A-1 upgradient and wells A-2 & A-3 downgradient. The second monitoring well system, for site 2-North, consists of four (4) wells. T-102 upgradient, as shown on Figure E-1,

"Hydrogeological Evaluation of Groundwater Discharge Options, Town of Tisbury, August, 1999", and W-2, W-3 and EW-1 downgradient, as shown in the Hydrogeological Evaluation Report and Groundwater Monitoring Plan, dated: October 15, 2001, prepared as part of the Groundwater Discharge Permit application. The third monitoring well system for Wicks #1 and #2 consists of three (3) wells: TES 1 (upgradient), TES-2 (downgradient), and TES-3 (downgradient) as shown in Figure 3-5 "Town of Tisbury, Massachusetts, Effluent Disposal Project, Wick Site, Groundwater Monitoring Plan" (revised January 2016) as presented in the engineering report titled "Tisbury Effluent Disposal, Engineering Report in support of Groundwater Discharge Permit Application for the Department of Public Works, Tisbury, Massachusetts" (August 2015).

Parameter	Frequency of Analysis
Static Water Level	Quarterly
Specific Conductance	Quarterly
pH	Quarterly
Total Nitrogen ($\text{NO}_2 + \text{NO}_3 + \text{TKN}$)	Quarterly
Nitrate Nitrogen	Quarterly
Alkalinity	Quarterly
Total Phosphorus	Annually
Orthophosphate	Annually
Total Residual Chlorine	Quarterly
Volatile Organic Compounds	2 x Annually

- a) Static Water Level shall be expressed as an elevation and shall be referenced to the surveyed datum established for the site. It shall be calculated by subtracting the depth to the water table from the surveyed elevation of the top of the monitoring well's PVC well casing/riser.
 - b) The Department reserves the right to require more frequent monitoring of Total Phosphorus and Orthophosphate if the Department determines that phosphorus levels are impacting downgradient receptors.
- 3) Any grab sample or composite sample required to be taken less frequently than daily shall be taken during the period of Monday through Friday inclusive. All composite samples shall be taken over the operating day.
 - 4) The permittee shall submit all monitoring reports within 30 days of the last day of the reporting month to MassDEP and to the Board of Health, P.O. Box 666, Vineyard Haven, MA 02568. All discharge monitoring reports submitted to MassDEP must be submitted through eDEP. To register for electronic submission go to:
<http://www.mass.gov/eea/agencies/massdep/service/online/edep-online-filing.html>

D. Supplemental Conditions

- 1) The permittee shall notify the Department at least thirty (30) days in advance of the proposed transfer of ownership of the facility for which this permit is written. Said notification shall include a written agreement between the existing and new permittees containing a specific date for transfer of permit, responsibility, coverage and liability between them.
- 2) A staffing plan for the facility shall be submitted to the Department once every two years and whenever there are staffing changes. The staffing plan shall include the following components:
 - a) The operator(s)'s name(s), operator grade(s) and operator license number(s);
 - b) The number of operational days per week;
 - c) The number of operational shifts per week;
 - d) The number of shifts per day;
 - e) The required personnel per shift;
 - f) Saturday, Sunday and holiday staff coverage;
 - g) Emergency operating personnel
- 3) The permittee is responsible for the operation and maintenance of all sewers, pump stations, and treatment units for the permitted facility, which shall be operated and maintained under the direction of a properly certified wastewater operator.
- 4) Operation and maintenance of the proposed facility must be in accordance with 314 CMR 12.00, "Operation and Maintenance and Pretreatment Standards for Wastewater Treatment Works and Indirect Discharges", and, 257 CMR 2.00, "Rules and Regulations for Certification of Operators of Wastewater Treatment Facilities".
 - a) The facility has been rated (in accordance with 257 CMR 2.00), to be a Grade 6 facility. Therefore, the permittee shall provide for oversight by a Massachusetts Certified Wastewater Treatment plant operator (Chief Operator) Grade 6 or higher. The permittee will also provide for a backup operator who shall possess at least a valid Grade 6 license.
 - b) The date and time of the operator's inspection along with the operator's name and certification shall be recorded in the log book on location at the treatment facility. All daily inspection logs consistent with the O&M Manual requirements shall be kept at the facility for a period of three (3) years.
 - c) Records of operation of wastewater treatment facilities or disposal systems required by the Department shall be submitted on forms supplied by the Department or on other forms approved by the Department for such use. Monthly reports shall be

certified by the wastewater treatment plant operator in charge and shall be included in the discharge monitoring reports submitted each month.

- 5) If the operation and maintenance of the facility is contracted to a private concern, the permittee shall submit a copy of the contract, consistent with what is required by the approved Operation & Maintenance manual and signed only by the contractor, to the appropriate MassDEP Regional Office within thirty (30) days of permit issuance. Along with the contract, a detailed listing of all contract operation obligations of the proposed contractor at other facilities shall also be submitted.
- 6) All tests or analytical determinations to determine compliance with permit standards and requirements:
 - a) Effluent samples shall be collected, transported and stored in accordance with *Standard Methods for the Examination of Water and Wastewater*;
 - b) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136 unless other methods are approved by the Department; and,
 - c) Samples shall be analyzed by a Massachusetts Certified laboratory unless otherwise approved by the Department.
- 7) The permittee shall notify the appropriate MassDEP Regional Office, in writing, within thirty (30) days of the following events:
 - a) The date of treatment plant start up or operation of modifications to an existing treatment plant.
 - b) Any interruption of the treatment system operation, other than routine maintenance.
 - c) Final shutdown of the treatment system.
- 8) The permittee shall contract to have any and all solids and sludges generated by the treatment system for which this permit is issued removed off site by a properly licensed waste hauler for disposal at an EPA/MassDEP approved facility. The name and license number of the hauler along with the quantity of wastes removed and the date(s) of removal shall be reported by the permittee in writing to the appropriate MassDEP Regional Office.
- 9) Simultaneously with the permit renewal application at year fifteen 2041 following the facility upgrades and modifications completed by the end of this permit term (2026), the permittee shall submit an engineering report, prepared by a registered professional engineer, that outlines in sufficient detail what modifications (if any) to the facility or other changes are required to insure that the facility can remain in compliance with its GWDP and other applicable requirements through the next 5 year permit term (year 2046) and beyond to the Department for its review and approval.

- 10) In the event that effluent limits are not met, or the discharge is determined to impair groundwater quality in accordance with 314 CMR 5.16(1), the permittee may be obligated to modify, supplement or replace the permitted treatment process so as to ensure that the discharge does not impair the ability of the groundwater to act as an actual or potential source of potable water.
- 11) Pursuant to M.G.L. Chapter 21A, section 18(a), and 310 CMR 4.03, holders of this Permit may be subject to annual compliance assurance fees as assessed each year on July 1st and invoiced by MassDEP. Failure of the Permit holder to pay applicable annual compliance assurance fees shall result in the automatic suspension of the permit by operation of law under the statute. If fee non-payment continues for sixty days or more, MassDEP has the statutory option of revoking the Permit, denying any other pending permit applications filed by the Permit holder or taking other enforcement action. Permit holders are required to notify MassDEP in writing if they wish to relinquish or transfer a permit. Failure to do so will result in the continued assessment of fees.

DRAFT

E. Appeal Rights

During the thirty (30) day period following issuance of this permit, a Notice of Claim for an Adjudicatory Appeal may be sent by any person aggrieved (the "Petitioner") by the issuance to:

Case Administrator
Office of Appeals and Dispute Resolution
Department of Environmental Protection
One Winter Street/2nd Floor
Boston, MA 02108

310 CMR 1.01(6)(b) requires the Notice of Claim to: include sufficient facts to demonstrate aggrieved person status; state the facts which are grounds for the appeal specifically, clearly and concisely; and, state relief sought. The permit shall become or remain effective at the end of the 30 day appeal period unless the person filing the Notice of Claim requests, and is granted, a stay of its terms and conditions. If a permit is modified under 314 CMR 2.10, only the modified terms and conditions may be subject to an Adjudicatory Appeal. All other aspects of the existing permit shall remain in effect during any such Adjudicatory Appeal.

Per 310 CMR 4.06, the hearing request to the Commonwealth will be dismissed if the filing fee is not paid. Unless the Petitioner is exempt or granted a waiver, a valid check payable to the Commonwealth to Massachusetts in the amount of \$100.00 must be mailed to:

Commonwealth of Massachusetts
Department of Environmental Protection
P.O. Box 4062
Boston, MA 02211

The filing fee is not required if the Petitioner is a city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority effective January 14, 1994, or any municipal housing authority; or, per MGL 161A s. 24, the Massachusetts Bay Transportation Authority. The Department may waive the adjudicatory hearing filing fee for a Petitioner who shows that paying the fee will create an undue financial hardship. A Petitioner seeking a waiver must file, along with the hearing request, an affidavit setting forth the facts believed to support the claim of undue financial hardship.

II. GENERAL PERMIT CONDITIONS

5.16: General Conditions

The following conditions apply to all individual and general permits:

(1) No discharge authorized in the permit shall cause or contribute to a violation of 314 CMR 4.00: *Massachusetts Surface Water Quality Standards*. Upon promulgation of any amended standard, the permit may be modified to comply with such standard in accordance with the procedures in 314 CMR 2.10: *Modification, Suspension, Revocation and Renewal of Permits and General Permit Coverage* and 314 CMR 5.12. Except as otherwise provided in 314 CMR 5.10(3)(c), 5.10(4)(a)2. and 5.10(9), no discharge authorized in the permit shall impair the ability of the ground water to serve as an actual or potential source of potable water. Evidence that a discharge impairs the ability of the ground water to serve as an actual or potential source of potable water includes, without limitation, analysis of samples taken in a downgradient well that demonstrates one or more exceedances of the applicable water quality based effluent limitations set forth in 314 CMR 5.10. In those cases where it is shown that a measured parameter exceeds the applicable water quality based effluent limitations set forth in 314 CMR 5.10 at the upgradient monitoring well, evidence that a discharge impairs the ability of the ground water to serve as an actual or potential source of potable water is deemed to exist if a measured parameter in any downgradient well exceeds the level of that same measured parameter in the upgradient well for the same sampling period. A statistical procedure approved by the Department shall be used to determine when a measured parameter exceeds the allowable level.

(2) Duty to Comply. The permittee shall comply at all times with the terms and conditions of the permit, 314 CMR 5.00, M.G.L. c. 21, §§ 26 through 53, and all applicable state and federal statutes and regulations.

(3) Standards and Prohibitions for Toxic Pollutants. The permittee shall comply with effluent standards or prohibitions established by § 307(a) of the Federal Act, 33 U.S.C. § 1317(a), for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

(4) Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and equipment installed or used to achieve compliance with the terms and conditions of the permit, 314 CMR 12.00: *Operation and Maintenance and Pretreatment Standards for Wastewater Treatment Works and Indirect Discharges*, and 257 CMR 2.00: *Certification of Operators of Wastewater Treatment Facilities*. All equipment shall be maintained in an acceptable condition for its intended use.

(5) Duty to Halt or Reduce Activity. Upon reduction, loss, or failure of the treatment facility, the permittee shall, to the extent necessary to maintain compliance with its permit, control production, discharges, or both, until the facility is restored or an alternative method of treatment is provided. A permittee may not raise as a defense in an enforcement action that it

would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.

(6) Power Failure. In order to maintain compliance with the effluent limitations and prohibitions of the permit, the permittee shall either:

- (a) provide an alternative power source sufficient to operate the wastewater control facilities; or
- (b) halt, reduce or otherwise control production or all discharges upon the reduction, loss, or failure of the primary source of power to the wastewater control facilities.

(7) Duty to Mitigate. The permittee shall take all reasonable steps to minimize or prevent any adverse impact on human health or the environment resulting from non-compliance with the permit. Additionally, the permittee shall take all necessary steps to prevent an operational upset of the PWTF or POTW.

(8) Duty to Provide Information. The permittee and any operator of the permitted facility shall furnish to the Department within a reasonable time as specified by the Department any information which the Department may request to determine whether cause exists for modifying, suspending, revoking and reissuing, or terminating the permit, or to determine whether the permittee is complying with the terms and conditions of the permit.

(9) Inspection and Entry. The permittee shall allow the Department or its authorized representatives to:

- (a) Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records required by the permit are kept;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- (c) Inspect at reasonable times any facilities, equipment, practices, or operations regulated or required under the permit; and
- (d) Sample or monitor at reasonable times for the purpose of determining compliance with the terms and conditions of the permit.

(9A) The permittee shall physically secure the treatment works and monitoring wells and limit access to the treatment works and monitoring wells only to those personnel required to operate, inspect and maintain the treatment works and to collect samples.

(9B) The permittee shall identify each monitoring well by permanently affixing to the steel protective casing of the well a tag with the identification number listed in the permit.

(10) Monitoring. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136 unless other test procedures are specified in the permit.

(11) Recordkeeping. The permittee shall retain records of all monitoring information, including

all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and all records of all data used to complete the application for the permit, for a period of at least five years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time. Records of monitoring information shall include without limitation:

- (a) The date, exact place, and time of sampling or measurements;
- (b) The individual(s) who performed the sampling or measurement;
- (c) The date(s) analyses were performed;
- (d) The individual(s) who performed the analyses;
- (e) The analytical techniques or methods used; and
- (f) The results of such analyses.

(12) Prohibition of Bypassing. Except as provided in 314 CMR 5.16(13), bypassing is prohibited and the Department may take enforcement action against a permittee for bypassing unless:

- (a) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
- (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if the permittee could have installed adequate backup equipment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
- (c) The permittee submitted notice of the bypass to the Department:
 - 1. In the event of an anticipated bypass, at least ten days in advance, if possible; or
 - 2. In the event of an unanticipated bypass, as soon as the permittee has knowledge of the bypass and no later than 24 hours after its first occurrence.

(13) Bypass not Exceeding Limitations. The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if necessary for the performance of essential maintenance or to assure efficient operation of treatment facilities.

(14) Permit Actions. The permit may be modified, suspended, or revoked for cause. The filing of a request by the permittee for a permit modification, reissuance, or termination, or a notification of planned changes or anticipated non-compliance does not stay any permit condition.

(15) Duty to Reapply. If the permittee wishes to continue an activity regulated by the permit after the expiration date of the permit, the permittee must apply for and obtain a new permit. The permittee shall submit a new application at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Department in writing.

(16) Property Rights. The permit does not convey any property rights of any sort or any exclusive privilege.

(17) Other Laws. The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, nor does it relieve the permittee of its obligation to comply with any other applicable Federal, State, or local law, or regulation.

(18) Oil and Hazardous Substance Liability. Nothing in the permit shall be construed to preclude the institution of any legal action or relieve the permittee of any responsibilities, liabilities, or penalties to which the permittee is or may be subject under § 311 of the Federal Act, 33 U.S.C. § 1321, and M.G.L. c. 21E.

(19) Removed Substances. Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed in a manner consistent with applicable Federal and State laws and regulations including, but not limited to, the Massachusetts Clean Waters Act, M.G.L. c. 21, §§ 26 through 53, and the Federal Act, 33 U.S.C. § 1251 *et seq.*, the Massachusetts Hazardous Waste Management Act, M.G.L. c. 21C, and the Federal Resource Conservation and Recovery Act, 42 U.S.C. § 6901, *et seq.*, 310 CMR 19.000: *Solid Waste Management* and 310 CMR 30.000: *Hazardous Waste*.

(20) Reporting Requirements.

(a) Monitoring Reports. Monitoring results shall be reported on a Discharge Monitoring Report (DMR) at the intervals specified in the permit. If a permittee monitors any pollutant more frequently than required by the permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Beginning on December 2, 2017, a permittee shall submit all DMRs electronically, using the electronic reporting system designated by the Department. A permittee may seek a waiver of this requirement by submitting a written request for the Department's approval.

(b) Compliance Schedules. Reports of compliance or non-compliance with, or any progress reports on interim and final requirements contained in any compliance schedule in the permit shall be submitted no later than 14 days following each schedule date.

(c) Planned Changes. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility or activity which could significantly change the nature or increase the quantity of pollutants discharged. Unless and until the permit is modified, any new or increased discharge in excess of permit limits or not specifically authorized by the permit constitutes a violation.

(d) Anticipated Non-compliance. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in non-compliance with permit requirements.

(e) 24 Hour Reporting. The permittee shall report any non-compliance which may endanger health or the environment. Any information shall be communicated orally within 24 hours of the time the permittee becomes aware of the circumstances. A

written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the non-compliance, including exact dates and times, and if the non-compliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the non-compliance. The following shall be included as information which must be reported within 24 hours:

1. Any unanticipated bypass which exceeds any effluent limitation in the permit; and
2. Any violation of a maximum daily discharge limitation for any of the pollutants required by the permit to be reported within 24 hours.

(f) Other Non-compliance. The permittee shall report all instances of non-compliance not reported under 314 CMR 5.16(20)(a), (b), or (e) at the time monitoring reports are submitted. The reports shall contain the information listed in 314 CMR 5.16(20)(e).

(g) Toxics. All manufacturing, commercial, mining, or silvicultural dischargers must notify the Department as soon as they know or have reason to believe:

1. That any activity has occurred, or will occur, that would result in the discharge of any toxic pollutant listed in 314 CMR 3.17: *Appendix B - Toxic Pollutants* not limited by the permit, if that discharge will exceed the highest of the following notification levels:

- a. 100 micrograms per liter (100 ug/l);
- b. 200 micrograms per liter (200 ug/l) for acrolein and acrylonitrile, 500 micrograms per liter (500 ug/l) for 2,4-dinitrophenol, and for 2-methyl-4,6-dinitrophenol, and one milligram per liter (1 mg/l) for antimony;
- c. Five times the maximum concentration value reported for that pollutant in the permit application; or

2. That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant which was not reported in the permit application.

(h) Indirect Dischargers. All Publicly Owned Treatment Works shall provide adequate notice to the Department of the following:

1. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to § 301 or § 306 of the Federal Act, 33 U.S.C. § 1311 or 1316, if it were directly discharging those pollutants; and
2. Any substantial change in the volume or character of pollutants being introduced into the POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.

(i) Information. Where a permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit the relevant facts or correct information.

(j) The permittee shall notify the Department in writing within seven days of any change in contract operators.

(21) Signatory Requirement. All applications, reports, or information submitted to the Department shall be signed and certified in accordance with 314 CMR 5.14 and 5.15.

(22) Severability. The provisions of the permit are severable. If any provision of the permit, or the application of any provision of the permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.

(23) Reopener Clause. The Department reserves the right to make appropriate revisions to the permit to establish any appropriate effluent limitations, schedules of compliance, or other provisions, as authorized by the Massachusetts Clean Waters Act, M.G.L. c. 21, §§ 26 through 53, or the Federal Act, 33 U.S.C. § 1251 *et seq.*, to bring all discharges into compliance with these statutes.

(24) Approval of Treatment Works. All discharges and associated treatment works authorized in 314 CMR 5.00 shall remain in compliance with the terms and conditions of the permit. Any modification of the approved treatment works shall require written approval of the Department prior to the construction of the modification.

(25) Transfer of Permits.

(a) RCRA Facilities. Any permit which authorizes the operation of a RCRA facility subject to the requirements of 314 CMR 8.07: *Standards for all other RCRA Facilities* shall be valid only for the person to whom it is issued and may not be transferred.

(b) Transfers by Modification. Except as provided in 314 CMR 5.16(25)(a) and (c), a permit may be transferred by the permittee to a new permittee if the permit has been modified or revoked and reissued in accordance with 314 CMR 5.12(2), or a minor modification is made to identify the new permittee in accordance with 314 CMR 5.12(3) and (4).

(c) Automatic Transfers. For facilities other than Privately Owned Wastewater Treatment Facilities (PWTFs) that treat at least some sewage from residential uses, hospitals, nursing or personal care facilities, residential care facilities, or assisted living facilities, PWTFs that have been required to establish, fund and maintain financial assurance mechanism(s) pursuant to 314 CMR 5.15(6), and RCRA facilities subject to the requirements of 314 CMR 8.07: *Standards for all other RCRA Facilities*, a permit may be automatically transferred in accordance with 314 CMR 5.12(5).

(26) Permit Compliance Fees and Inspection Information. Except as otherwise provided, any permittee required to obtain a ground water discharge permit pursuant to M.G.L. c. 21, § 43, and 314 CMR 5.00 shall submit the annual compliance assurance fee established in accordance with M.G.L. c. 21A, § 18 and 310 CMR 4.00: *Timely Action Schedule and Fee Provisions*, as provided in 314 CMR 2.12: *Applications, Fees and Inspection Information*. The requirement to submit the annual compliance fee does not apply to any local government unit other than an authority. Any permittee required to obtain a ground water discharge permit pursuant to M.G.L. c. 21, § 43 and 314 CMR 5.00, may be required to submit inspection information annually, as provided in 314 CMR 2.12.



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

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Communication For Non-English Speaking Parties - 310 CMR 1.03(5)(a)



1 English:

This document is important and should be translated immediately. If you need this document translated, please contact MassDEP's Diversity Director at the telephone numbers listed below.



2 Español (Spanish):

Este documento es importante y debe ser traducido inmediatamente. Si necesita este documento traducido, por favor póngase en contacto con el Director de Diversidad MassDEP a los números teléfono que aparecen más abajo.



3 Português (Portuguese):

Este documento é importante e deve ser traduzida imediatamente. Se você precisa deste documento traduzido, por favor, entre em contato com Diretor de Diversidade da MassDEP por números de telefone listados abaixo.



4(a) 中國（傳統）(Chinese (Traditional)):

本文件非常重要，應立即翻譯。如果您需要翻譯這份文件，請用下面列出的電話號碼與 MassDEP 的多樣性總監聯繫。



4(b) 中国（简体中文）(Chinese (Simplified)):

本文件非常重要，应立即翻译。如果您需要翻译这份文件，请用下面列出的电话号码与 MassDEP 的多样性总监联系。



5 Ayisyen (franse kreyòl) (Haitian) (French Creole):

Dokiman sa-a se yon bagay enpòtan epi yo ta dwe tradui imedyatman. Si ou bezwen dokiman sa tradui, tanpri kontakte Divèsite Direktè MassDEP a nan nimewo telefòn ki nan lis pi ba a.



6 Việt (Vietnamese):

Tài liệu này là rất quan trọng và cần được dịch ngay lập tức. Nếu bạn cần dịch tài liệu này, xin vui lòng liên hệ với Giám đốc MassDEP đã đăng tại các số điện thoại được liệt kê dưới đây.



7 ប្រទេសកម្ពុជា (Kmer (Cambodian)):

ឯកសារនេះគឺមានសារៈសំខាន់និងត្រូវបានបកប្រែភាសា។ ប្រសិនបើអ្នកត្រូវបានបកប្រែឯកសារនេះសូមទំនាក់ទំនងជាមួយកម្មាធិការ MassDEP នៅលេខទូរស័ព្ទដែលបានរាយនាងក្រោម។



8 Kriolu Kabuverdianu (Cape Verdean):

Es documento é importante e deve ser traduzido imidiatamente. Se bo precisa des documento traduzido, por favor contacta Director de Diversidade na MassDEP's pa es numero indicode li d'boche.



9 Русский язык (Russian):

Этот документ является важным и должно быть переведено сразу. Если вам нужен этот документ переведенный, пожалуйста, свяжитесь с директором разнообразия MassDEP по адресу телефонных номеров, указанных ниже.



10 العربية (Arabic):

هذه الوثيقة الهامة وينبغي أن تترجم على الفور. اذا كنت بحاجة الى هذه الوثيقة المترجمة، يرجى الاتصال مدير التنوع في PMassDE على أرقام الهواتف المدرجة أدناه.



11 한국어 (Korean):

이 문서는 중요하고 즉시 번역해야 합니다. 당신이 번역이 문서가 필요하다면 아래의 전화 번호로 MassDEP의 다양성 감독에 문의하시기 바랍니다.



12 հայերեն (Armenian):

Այս փաստաթուղթը շատ կարևոր է եւ պետք է թարգմանել անմիջապես. եթե Ձեզ անհրաժեշտ է այս փաստաթուղթը թարգմանվել դիմել MassDEP բազմազանությունը տնօրէն է հեռախոսահամարների թվարկված են ստորեւ.



13 فارسی (Farsi (Persian):

این سند مهم است و باید فوراً ترجمه شده است.

اگر شما نیاز به این سند ترجمه شده، لطفاً با ما تماس بگیرید مدیر PMassDE در شماره تلفن های ذکر شده در زیر.



14 Français (French):

Ce document est important et devrait être traduit immédiatement. Si vous avez besoin de ce document traduit, s'il vous plaît communiquer avec le directeur de la diversité MassDEP aux numéros de téléphone indiqués ci-dessous.



15 Deutsch (German):

Dieses Dokument ist wichtig und sollte sofort übersetzt werden. Wenn Sie dieses Dokument übersetzt benötigen, wenden Sie sich bitte Diversity Director MassDEP die in den unten aufgeführten Telefonnummern.



16 Ελληνική (Greek):

Το έγγραφο αυτό είναι σημαντικό και θα πρέπει να μεταφραστούν αμέσως. Αν χρειάζεστε αυτό το έγγραφο μεταφράζεται, παρακαλούμε επικοινωνήστε Diversity Director MassDEP κατά τους αριθμούς τηλεφώνου που αναγράφεται πιο κάτω.



17 Italiano (Italian):

Questo documento è importante e dovrebbe essere tradotto immediatamente. Se avete bisogno di questo documento tradotto, si prega di contattare la diversità Direttore di MassDEP ai numeri di telefono elencati di seguito.



18 Język Polski (Polish):

Dokument ten jest ważny i powinien być natychmiast przetłumaczony. Jeśli potrzebujesz tego dokumentu tłumaczonego, prosimy o kontakt z Dyrektorem MassDEP w różnorodności na numery telefonów wymienionych poniżej.



19 हिन्दी (Hindi):

यह दस्तावेज़ महत्वपूर्ण है और तुरंत अनुवाद किया जाना चाहिए. आप अनुवाद इस दस्तावेज़ की जरूरत है, सूचीबद्ध फोन नंबरों पर MassDEP की विविधता निदेशक से संपर्क करें.

DRAFT